

MCDI

DECRYPTA²

Dual output External Alarm Receiver

DECRYPTA² is the new breed of **MCDI** alarm receiver. Built on the legacy of Decrypta receivers, D² brings you more features. such as 2 outputs, 2 power source inputs and of course USB communication. Other features have been added like a larger receiving memory buffer, faster answer of phone lines and a display that is easier to read. This attention to details makes this new generation of boxed receiver ideal either for the conventional Central Monitoring station or other uses such as Alarm field maintenance, Buildings and Gated Communities, Surveillance and Health Services



Technical Specifications

Communications:

DECRYPTA provides 2 RJ11 type jacks for telephone line connection.

Type:	Pulse, DTMF, FSK
Reception Speed:	10, 20, 40 pps DR / CS
Handshake and Kiss-off:	1400Hz / 2300Hz / 2225Hz
Pulse Frequency:	1800Hz / 1900Hz
Telim/Robofon:	1180Hz / /1100Hz

Reception Formats supported:

Acron	Radionics 6500
Ademco:	Radionics extended
- Slow/Fast;	Sescoa Slow, Super Fast
- Contact ID;	Sescoa Standard
- Extended;	SIA
- Express;	Contact ID
- High Speed	
CFSK,BFSK, VFSK	Silent Knight Slow
MCDI-Take-a-look	SurGard
FBI Super Fast	Napco Point ID
3x1	3x1 extended
4x1	3x1 extended compressed 4x2
4x1 extended	4x1 extended compressed 4x2
4x2	Zero removed 3x1, 4x1, extended.
Optex's Varitech	C&K: Bell 103A2 or CCIT (option)
For Germany and Scandinavia:	Telim/ Robofon. Unit can be delivered Bell 103 or CCITT"

Event Logging when PC is absent:

D² displays last 300 events while power is maintained. D² keeps in receiving buffer the last 1800 (4x2 no Caller ID). Events are displayed on LCD as a sequential pile when power is maintained. Memory is protected by NV ram.

Dual Power Sources



D² can be powered by USB and 9-12V DC input or a combination of both . Set-up with a battery and battery charger is also possible.

From 9-12V DC Battery/ Power Supply: 0.5A. From USB input: USB port dedicated to D²: 5V 0.5A. Any combination of both able to supply minimum of 8.7V 0.5A total.

Dual Inputs



2 RJ11 phone line jacks. Alarms can be received on both lines simultaneously. Lines are identified with a line number (0 to 255) for the Monitoring Software.

Dual Outputs



For connection to computer: 1 USB client port and 1 serial port. Both outputs transmit alarm signals received by D². One is used as primary for acknowledge and the second one for log or redundancy. Signal can be sent to 2 separate PCs or in the same PC to separate applications.

Dual logs



Printer with Centronics parallel interface and cable with DB25 connector. Printer is used to hardcopy raw logs from D² as alarms are received. Second output serve log signals by writing file in to PC by software. Windows logger supplied.

GSM back-up

D² supports wireless phone link for mobile use such as MCDI GSM backup interface GCI1800 and GCI1900. Sold separately.



MCDI

D²

Display:

Easy to read 4 lines x 24 characters display. Incoming signals breakdown by line number, receiver number, date, time, account/alarm codes and caller ID. Displays last 300 events. Set-up menus in English, French, German, Spanish and Portuguese. All operations available on display. If not using a Monitoring software, acknowledge of incoming alarms is done by pressing the Alarm acknowledge key (CR).



5 status LEDs on front panel



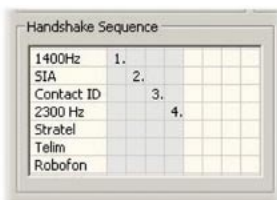
Dead line detection D² monitors phone lines every 4 minutes and reports when a line is in use or absent.



Communication with PC D² monitors the communication to PC. Flashing LED on front gives real time status of PC communication (transmitting and absent)

DRIVERS AND COMMUNICATION

USB drivers supplied for Linux, Macintosh, Windows 98, ME, 2000 and XP. Serial communication with DOS, Linux, Windows 95SE, 98, ME, 2000 and XP. DECRYPTA² can be configured and operated without PC or with IBMTM or compatible 486 Pentium computer and up. Java class configuration tools supplied, java engine required. Linux tools supplied.



Handshake sequence

New programmable handshake sequence lets you program the formats you want and forget about the ones you are not using in order to speed up the time D² takes to answer. Favorite sequences can be stored for up to 10000 accounts.

Monitoring Software:

DECRYPTA² interfaces with Monitoring software in MCDI mode, AdemcoTM 685 emulation mode and Sur-GardTM emulation mode. DECRYPTA² is compatible with most Automation software on the market like SAMM, WINSAMM, ABM, Central Works, Microkey, Patriot, SIMS and SIS.

USB communication requires Windows application like WINSAMM, Patriot, or DOS applications with Windows communication interfaces such as SAMM X. Signal logger supplied for Windows systems.

D² is compatible with Catapult, MCDI new IP universal format.

Size and construction:

Size: 17" (L) x 5.5" (W) x 2"(H)

38 cm (L) x 14 cm (W) x 5 cm (H)

Housing: Rugged aluminum chassis. Metallic blue clear coating.

Weight: 1.2kg/ Shipping weight 1.9kg

Power Requirements:

From 9-12V DC Battery/ Power Supply: 4.65W

From USB port of PC: 500mA 5V DC:

Combination of both: 9V DC 0.5A

Battery with a charger may be used.

Relay

D² is fitted with an internal relay to trigger externally powered devices such as a visual indicator, strobe light or siren. Terminal posts, dry contacts, on the back of D² for normally open and normally close positions. Relay is triggered each time an alarm signal is received by Decrypta². Relay maximum current 30VDC 1A max.

Station Requirements

-DECRYPTA² can be configured and operated without PC. Operation by menus on front display.

-Configuration by PC through serial communication: IBMTM or Compatible AT, 386, 486, Pentium computer, 640Kb RAM, available Com port. Configuration by PC through USB port: PC support for USB interface.

-OS, Serial communication: DOS, Linux, Windows 95, 98, ME, 2000 or XP. OS, USB and serial communication: Linux, Windows 98, ME, 2000 or XP.

-Printer with Centronics parallel interface. Cable with DB25 and DB9 connectors supplied

-Wireless phone link for mobile use: GSM 1800/1900 or analog to RJ11 computed .

-Caller ID service must be provided by Telco (Bellcore type 1) for Calling phone number to display.

-Coding interface supplied to developers who present a project.

Multiple D² and a USB HUB

Several Decrypta² can be linked to a single USB port on PC using a low cost USB hub. Sufficient power must be provided to each D²



Preliminary specifications: final specifications may change without further notice. Please check our web site to always get the latest specifications.

DECRYPTA²
<http://www.decrypta.com>

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